

SAMPLE CHAMBER FOR MICROSCOPY

ABSTRACT OF THE DISCLOSURE

A chamber is provided having a main body and one or two optical plates that are held to the main body by O-rings or other seal forming elements using forces created by vacuum and/or chemical adhesion. The chamber, in which a sample well holds a specimen, is formed from the optical elements that function as observation windows, being held to the main body from one side only by the seal forming elements.